

METHOD AND SYSTEM FOR SYNCHRONIZING COMMUNICATIONS LINKS IN A
HUB-BASED MEMORY SYSTEM

ABSTRACT OF THE DISCLOSURE

A method is disclosed for synchronizing communications links in a memory hub system. The system includes a system controller and a plurality of memory hubs coupled in series, with pairs of downstream and upstream links being coupled between adjacent modules and the controller. The method includes synchronizing each upstream and downstream link. In a clockwise order starting with the downstream link coupled between the controller and the first memory module, the next adjacent clockwise link is signaled that the prior clockwise link has been synchronized. The method detects through the upstream link coupled between the controller and the first memory module when all links have been synchronized. In a clockwise order starting with the downstream link coupled between the controller and the first memory module, each link is enabled. The method detects through the upstream link coupled between the controller and first memory module when all links have been enabled.